

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING**

### **ERROR REPORT**

EFS

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/542,408D  
Source: TFW0  
Date Processed by STIC: 04/04/2007

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

### Raw Sequence Listing Error Summary

**ERROR DETECTED**

### SUGGESTED CORRECTION

**SERIAL NUMBER:**

$$= 10542,408 D$$

**ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE**

- |          |                                    |  |
|----------|------------------------------------|--|
| 1 _____  | Wrapped Nucleic<br>Wrapped Aminos  | The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor <b>after</b> creating it. Please adjust your right margin to .3; this will prevent "wrapping."  |
| 2 _____  | Invalid Line Length                | The rules require that a line <b>not exceed</b> 72 characters in length. This includes white spaces.   |
| 3 _____  | Misaligned Amino<br>Numbering      | The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do <b>not</b> use tab codes between numbers; use <b>space characters</b> , instead.   |
| 4 _____  | Non-ASCII                          | The submitted file was <b>not</b> saved in ASCII(DOS) text, as <b>required</b> by the Sequence Rules. <b>Please ensure your subsequent submission is saved in ASCII text.</b>  |
| 5 _____  | Variable Length                    | Sequence(s) _____ contain n's or Xaa's representing more than one residue. <b>Per Sequence Rules, each n or Xaa can only represent a single residue.</b> Please present the <b>maximum</b> number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.   |
| 6 _____  | PatentIn 2.0<br>"bug"              | A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. <b>This applies to the mandatory &lt;220&gt;-&lt;223&gt; sections for Artificial or Unknown sequences.</b>   |
| 7 _____  | Skipped Sequences<br>(OLD RULES)   | Sequence(s) _____ missing. If intentional, please insert the following lines for <b>each</b> skipped sequence:<br>(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)<br>(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)<br>(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)<br>This sequence is intentionally skipped<br>Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to <b>include</b> the skipped sequences. |
| 8 _____  | Skipped Sequences<br>(NEW RULES)   | Sequence(s) _____ missing. If <b>intentional</b> , please insert the following lines for <b>each</b> skipped sequence.<br><210> sequence id number<br><400> sequence id number<br>000  |
| 9 _____  | Use of n's or Xaa's<br>(NEW RULES) | Use of n's and/or Xaa's have been detected in the Sequence Listing.<br>Per 1.823 of Sequence Rules, use of <220>-<223> is <b>MANDATORY</b> if n's or Xaa's are present.<br>In <220> to <223> section, please explain location of <b>n</b> or <b>Xaa</b> , and which residue <b>n</b> or <b>Xaa</b> represents.   |
| 10 _____ | Invalid <213><br>Response          | Per 1.823 of Sequence Rules, the only <b>valid</b> <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is <b>required</b> when <213> response is Unknown or is Artificial Sequence. (see item 11 below)   |
| 11 _____ | Use of <220>                       | Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. <b>Use of &lt;220&gt; to &lt;223&gt; is MANDATORY if &lt;213&gt; "Organism" response is "Artificial Sequence" or "Unknown". Please explain source of genetic material in &lt;220&gt; to &lt;223&gt; section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules</b>  |
| 12 _____ | PatentIn 2.0<br>"bug"              | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.  |
| 13 _____ | Misuse of n/Xaa                    | "n" can <b>only</b> represent a single nucleotide; "Xaa" can <b>only</b> represent a single amino acid   |



IFWO

## RAW SEQUENCE LISTING

DATE: 04/04/2007

PATENT APPLICATION: US/10/542,408D

TIME: 14:54:46

Input Set : N:\efs\04\_04\_07\10542408D\_efs\3136us0prevseq.txt

Output Set: N:\CRF4\04042007\J542408D.raw

Does Not Comply  
Corrected Diskette Needed  
(pg-6)

```

3 <110> APPLICANT: ITO, Yasuaki
4     FUJII, Ryo
5     HINUMA, Shuji
6     FUKUSUMI, Shoji
7     MARUYAMA, Minoru
9 <120> TITLE OF INVENTION: Novel Screening Method
11 <130> FILE REFERENCE: 3136 USOP
13 <140> CURRENT APPLICATION NUMBER: US 10/542408D
14 <141> CURRENT FILING DATE: 2005-07-15
16 <150> PRIOR APPLICATION NUMBER: JP 2003-010001
17 <151> PRIOR FILING DATE: 2003-01-17
19 <150> PRIOR APPLICATION NUMBER: JP 2003-104540
20 <151> PRIOR FILING DATE: 2003-04-08
22 <150> PRIOR APPLICATION NUMBER: JP 2003-194497
23 <151> PRIOR FILING DATE: 2003-07-09
25 <150> PRIOR APPLICATION NUMBER: JP 2003-329080
26 <151> PRIOR FILING DATE: 2003-09-19
28 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/000248
29 <151> PRIOR FILING DATE: 2004-01-15
31 <160> NUMBER OF SEQ ID NOS: 22
33 <210> SEQ ID NO: 1
34 <211> LENGTH: 361
35 <212> TYPE: PRT
36 <213> ORGANISM: Homo sapiens
38 <400> SEQUENCE: 1
39 Met Ser Pro Glu Cys Ala Arg Ala Ala Gly Asp Ala Pro Leu Arg Ser
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41 Leu Glu Gln Ala Asn Arg Thr Arg Phe Pro Phe Phe Ser Asp Val Lys
42           20                      25                      30
43 Gly Asp His Arg Leu Val Leu Ala Ala Val Glu Thr Thr Val Leu Val
44           35                      40                      45
45 Leu Ile Phe Ala Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
46           50                      55                      60
47 Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Cys Leu Val Leu Asn
48 65           70                      75                      80
49 Leu Phe Cys Ala Asp Leu Leu Phe Ile Ser Ala Ile Pro Leu Val Leu
50           85                      90                      95
51 Ala Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Ala Cys His
52           100                     105                     110
53 Leu Leu Phe Tyr Val Met Thr Leu Ser Gly Ser Val Thr Ile Leu Thr
54           115                     120                     125
55 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val His Leu Gln
56           130                     135                     140

```

## RAW SEQUENCE LISTING

DATE: 04/04/2007

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TIME: 14:54:46

Input Set : N:\efs\04\_04\_07\10542408D\_efs\3136us0prevseq.txt

Output Set: N:\CRF4\04042007\J542408D.raw

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57 Arg Gly Val Arg Gly Pro Gly Arg Arg Ala Arg Ala Val Leu Leu Ala
58 145 150 155 160
59 Leu Ile Trp Gly Tyr Ser Ala Val Ala Ala Leu Pro Leu Cys Val Phe
60 165 170 175
61 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Ala Asp Gln Glu Ile Ser
62 180 185 190
63 Ile Cys Thr Leu Ile Trp Pro Thr Ile Pro Gly Glu Ile Ser Trp Asp
64 195 200 205
65 Val Ser Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
66 210 215 220
67 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
68 225 230 235 240
69 Leu Thr Val Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
70 245 250 255
71 Gln Gln Asp Phe Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
72 260 265 270
73 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
74 275 280 285
75 Ile Gln Asn Phe Lys Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
76 290 295 300
77 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
78 305 310 315 320
79 Tyr Asn Met Thr Leu Cys Arg Asn Glu Trp Lys Lys Ile Phe Cys Cys
80 325 330 335
81 Phe Trp Phe Pro Glu Lys Gly Ala Ile Leu Thr Asp Thr Ser Val Lys
82 340 345 350
83 Arg Asn Asp Leu Ser Ile Ile Ser Gly
84 355 360

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86 &lt;210&gt; SEQ ID NO: 2

87 &lt;211&gt; LENGTH: 1083

88 &lt;212&gt; TYPE: DNA

89 &lt;213&gt; ORGANISM: Homo sapiens

91 &lt;400&gt; SEQUENCE: 2

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92 atgtcccctg aatgcgcgcg ggcagcgggc gacgcgcctt tgcgcagcct ggagcaagcc 60
93 aaccgcaccc gctttccctt cttctccgac gtcaagggcg accaccggct ggtgctggcc 120
94 gcggtggaga caaccgtgct ggtgctcatc tttgcagtgt cgctgctggg caacgtgtgc 180
95 gccctggtgc tgggtggcgcg ccgacgacgc cgcggcgcgga ctgcctgcct ggtactcaac 240
96 ctcttctgcg cggacctgct cttcatcagc gctatccctc tgggtgctggc cgtgcgctgg 300
97 actgaggcct ggctgctggg ccccgttgcc tgccacctgc tcttctacgt gatgacctg 360
98 agcggcagcg tcaccatcct cacgctggcc gcggtcagcc tggagcgcac ggtgtgcatc 420
99 gtgcacctgc agcgcggcgt gcggggctct gggcggcggg cgcgggcagt gctgctggcg 480
100 ctcatctggg gctattcggc ggtgcgcgct ctgcctctct gcgtcttctt ccgagtcgtc 540
101 ccgcaacggc tccccggcgc cgaccaggaa atttcgattt gcacactgat ttggcccacc 600
102 attcctggag agatctcgtg ggatgtctct tttgttactt tgaacttctt ggtgccagga 660
103 ctgggtcattg tgatcagtta ctccaaaatt ttacagatca caaaggcatc aagggaagagg 720
104 ctcacggtaa gcctggccta ctcgagagc caccagatcc gcgtgtccca gcaggacttc 780
105 cggtctctcc gcacctctt cctcctcatg gtctccttct tcatcatgtg gagccccatc 840
106 atcatcacca tctcctcat cctgatccag aacttcaagc aagacctggt catctggccg 900
107 tccctcttct tctgggtggt ggccttcaca tttgctaatt cagccctaaa ccccatcctc 960

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## RAW SEQUENCE LISTING

DATE: 04/04/2007

PATENT APPLICATION: US/10/542,408D

TIME: 14:54:46

Input Set : N:\efs\04\_04\_07\10542408D\_efs\3136us0prevseq.txt

Output Set: N:\CRF4\04042007\J542408D.raw

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108 tacaacatga cactgtgcag gaatgagtgg aagaaaattt tttgctgctt ctgggtccca 1020
109 gaaaaggagg ccattttaac agacacatct gtcaaaagaa atgacttgct gattatttct 1080
110 ggc 1083
112 <210> SEQ ID NO: 3
113 <211> LENGTH: 361
114 <212> TYPE: PRT
115 <213> ORGANISM: Mus musculus
117 <400> SEQUENCE: 3
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119      5      10      15
120 Leu Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys
121      20      25      30
122 Gly Asp His Arg Leu Val Leu Ser Val Val Glu Thr Thr Val Leu Gly
123      35      40      45
124 Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
125      50      55      60
126 Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Ser Leu Val Leu Asn
127      65      70      75      80
128 Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
129      85      90      95
130 Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
131      100     105     110
132 Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
133      115     120     125
134 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
135      130     135     140
136 Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
137 145      150     155     160
138 Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
139      165     170     175
140 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
141      180     185     190
142 Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
143      195     200     205
144 Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
145      210     215     220
146 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
147 225      230     235     240
148 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
149      245     250     255
150 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
151      260     265     270
152 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
153      275     280     285
154 Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
155      290     295     300
156 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
157 305      310     315     320
158 Tyr Asn Met Ser Leu Phe Arg Asn Glu Trp Arg Lys Ile Phe Cys Cys

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## RAW SEQUENCE LISTING

DATE: 04/04/2007

PATENT APPLICATION: US/10/542,408D

TIME: 14:54:46

Input Set : N:\efs\04\_04\_07\10542408D\_efs\3136us0prevseq.txt

Output Set: N:\CRF4\04042007\J542408D.raw

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159          325          330          335
160 Phe Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Asp Thr Ser Val Arg
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162 Arg Asn Asp Leu Ser Val Ile Ser Ser
163          355          360
165 <210> SEQ ID NO: 4
166 <211> LENGTH: 1083
167 <212> TYPE: DNA
168 <213> ORGANISM: Mus musculus
170 <400> SEQUENCE: 4
171 atgtcccctg agtgtgcaca gacgacgggc cctggcccct cgcacaccct ggaccaagtc 60
172 aatcgcaccc acttcccttt cttctcggat gtcaaggggcg accaccgggt ggtgttgagc 120
173 gtcgtggaga ccaccgttct ggggtcctac tttgtcgtct cactgctggg caacgtgtgt 180
174 gctctagtgc tgggtggcgc ccgtcggcgc cgtggggcga cagccagcct ggtgctcaac 240
175 ctcttctgcg cggatttgct cttcaccagc gccatccctc tagtgctcgt cgtgcgctgg 300
176 actgaggcct ggctgttggt gcccgctcgc tgccacctgc tcttctacgt gatgacaatg 360
177 agcggcagcg tcacgatcct cacactggcc gcggtcagcc tggagcgcct ggtgtgcatc 420
178 gtgcgcctcc ggcgcggctt gagcggcccg gggcggcggc ctcaggcggc actgctggct 480
179 ttcatatggg gttactcggc gctcgcgcgc ctgcccctct gcattctgtt ccgcgtggtc 540
180 ccgcagcgcc tcccggcggg ggaccaggaa attccgattt gcacattgga ttggcccaac 600
181 cgcataggag aaatctcatg ggatgtgttt tttgtgactt tgaacttcct ggtgccggga 660
182 ctggtcattg tgatcagtta ctccaaaatt ttacagatca cgaaagcatc gcggaagagg 720
183 cttacgttga gcttggcata ctctgagagc caccagatcc gagtgtccca acaagactac 780
184 cgactcttcc gcacgtctct cctgctcatg gtttccttct tcattcatgt gagtcccatc 840
185 atcatcacca tctcctcat cttgatccaa aacttccggc aggacctggt catctggcca 900
186 tcccttttct tctgggtggt ggccttcacg tttgccaact ctgccctaaa ccccatactg 960
187 tacaacatgt cgctgttcag gaacgaatgg aggaagattt tttgctgctt cttttttcca 1020
188 gagaagggag ccatttttac agacacgtct gtcaggcgaa atgacttgtc tgttatttcc 1080
189 agc 1083
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192 <211> LENGTH: 20
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: primer
199 <400> SEQUENCE: 5
200 gctgtggcat gcttttaaac 20
202 <210> SEQ ID NO: 6
203 <211> LENGTH: 20
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: primer
210 <400> SEQUENCE: 6
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213 <210> SEQ ID NO: 7
214 <211> LENGTH: 30
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence

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## RAW SEQUENCE LISTING

DATE: 04/04/2007

PATENT APPLICATION: US/10/542,408D

TIME: 14:54:46

Input Set : N:\efs\04\_04\_07\10542408D\_efs\3136us0prevseq.txt

Output Set: N:\CRF4\04042007\J542408D.raw

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219 <223> OTHER INFORMATION: primer
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224 <210> SEQ ID NO: 8
225 <211> LENGTH: 361
226 <212> TYPE: PRT
227 <213> ORGANISM: Rattus norvegicus
229 <400> SEQUENCE: 8
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231              5              10              15
232 Pro Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys
233              20              25              30
234 Gly Asp His Arg Leu Val Leu Ser Val Leu Glu Thr Thr Val Leu Gly
235              35              40              45
236 Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
237              50              55              60
238 Val Val Arg Arg Arg Arg Arg Gly Ala Thr Val Ser Leu Val Leu Asn
239              65              70              75              80
240 Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
241              85              90              95
242 Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
243              100             105             110
244 Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
245              115             120             125
246 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
247              130             135             140
248 Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
249 145              150             155             160
250 Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
251              165             170             175
252 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
253              180             185             190
254 Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
255              195             200             205
256 Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
257              210             215             220
258 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
259 225              230             235             240
260 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
261              245             250             255
262 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
263              260             265             270
264 Phe Phe Ile Met Trp Ser Pro Ile Ile Thr Ile Leu Leu Ile Leu
265              275             280             285
266 Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
267              290             295             300
268 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
269 305              310             315             320

```

<210> 21  
 <211> 21  
 <212> RNA  
 <213> Artificial Sequence  
 <220>  
 <221> misc\_RNA  
 <222> (20)..(21)  
 <223> n stands for deoxy thymidine  
 <400> 21  
 ggaccaggaa auuccgauun n

If <213> Response is Artificial, pls Explain the source of genetic material. See Item 11 on Error Summary Sheet.

21

't's are not allowed in RNA Sequence.

This type of error is in Seq ID 22

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/542,408D

DATE: 04/04/2007  
TIME: 14:54:48

Input Set : N:\efs\04\_04\_07\10542408D\_efs\3136us0prevseq.txt  
Output Set: N:\CRF4\04042007\J542408D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; N Pos. 20,21

Seq#:22; N Pos. 1,2

**VERIFICATION SUMMARY**

DATE: 04/04/2007

PATENT APPLICATION: US/10/542,408D

TIME: 14:54:48

Input Set : N:\efs\04\_04\_07\10542408D\_efs\3136us0prevseq.txt

Output Set: N:\CRF4\04042007\J542408D.raw

L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0

L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0